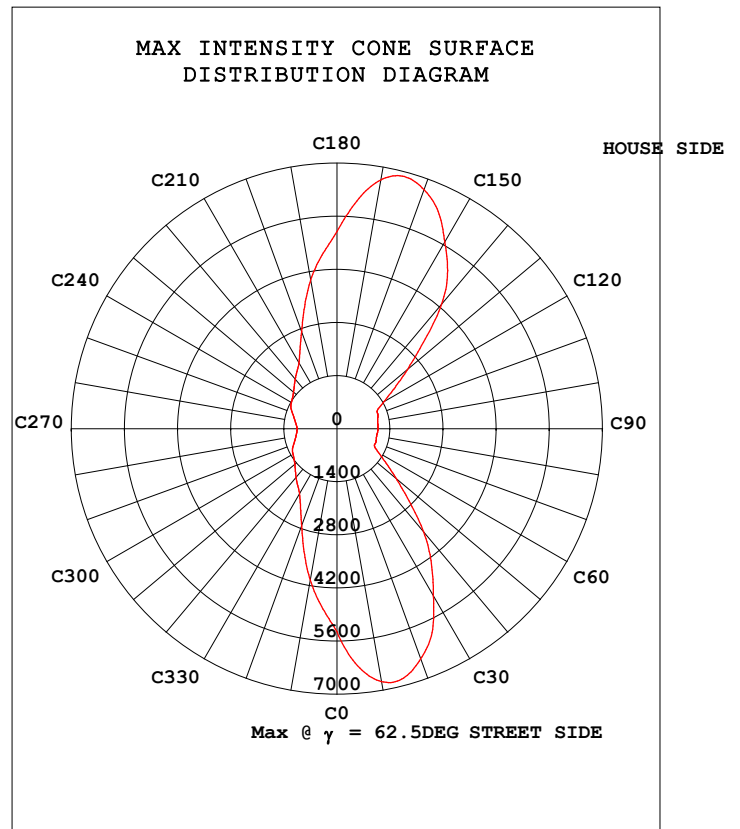
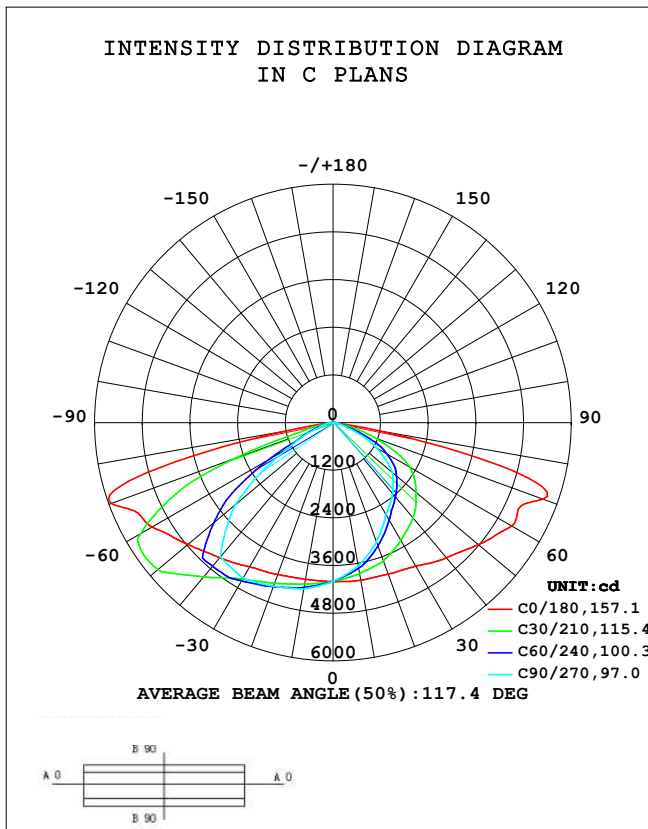


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.02 lm/W			
MODEL	LED	Imax (cd)	6881	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	50.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	15572	η house_up (%)	0.0
NOMINAL FLUX (lm)	15572.3	MAXIMUM @ (C, γ)	165,62.5	η house_down (%)	49.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.417



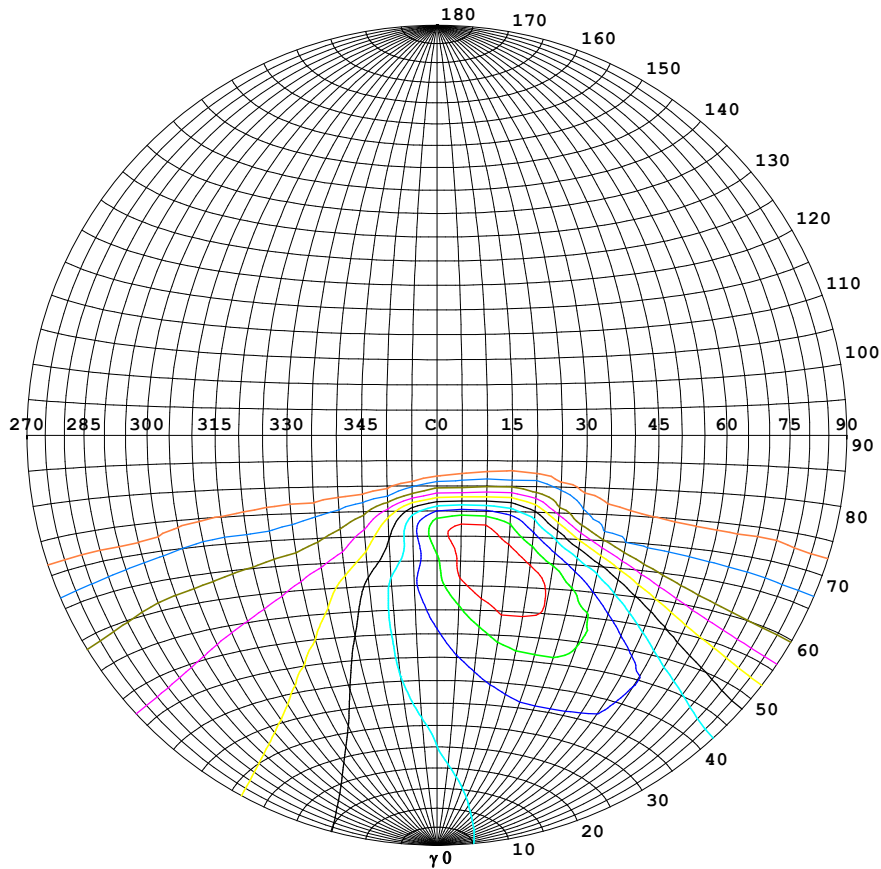
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



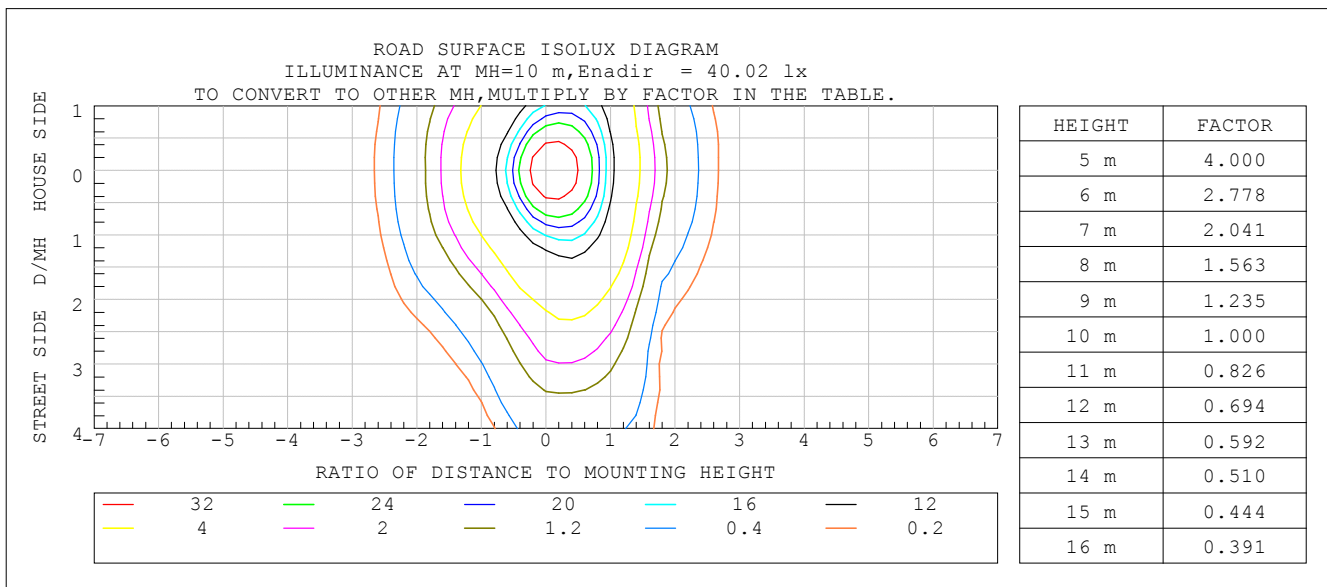
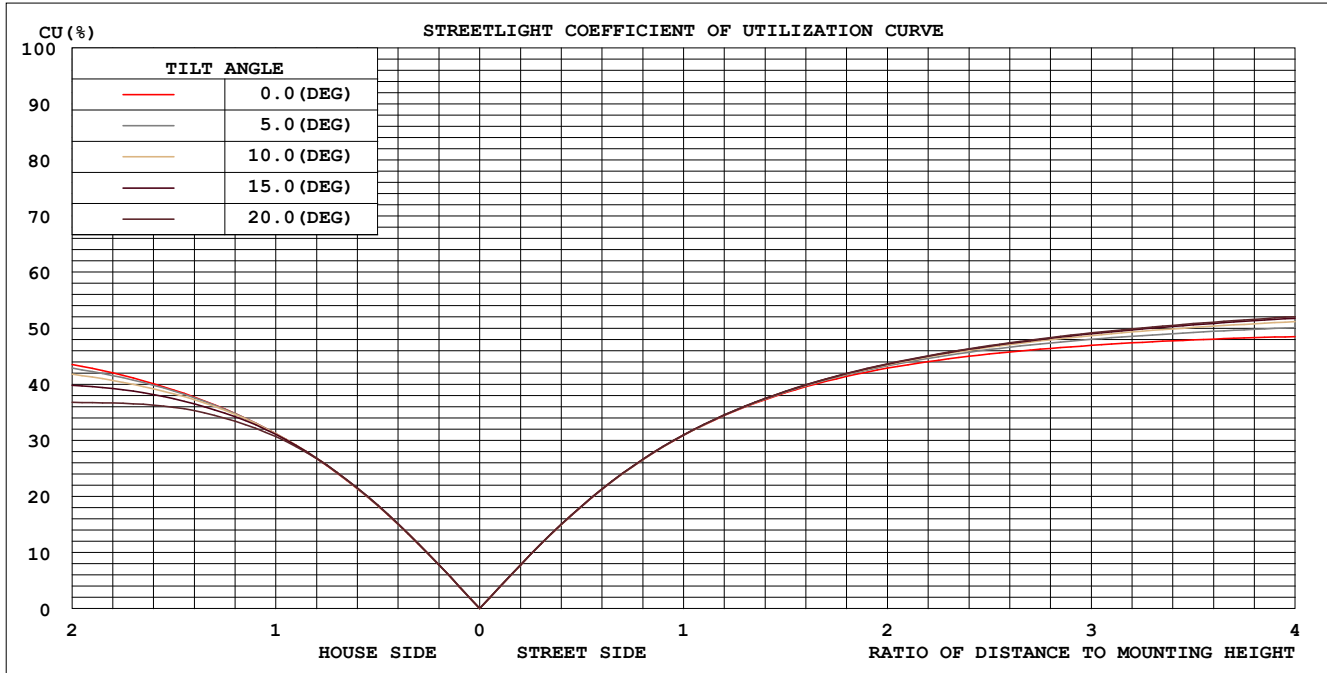
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:113.2cd/klm
Max.At90:3.980cd/klm
Max.80-90:113.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6881
90%	6193
80%	5505
70%	4817
60%	4129
50%	3441
40%	2752
30%	2064
20%	1376
10%	688
5%	344

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

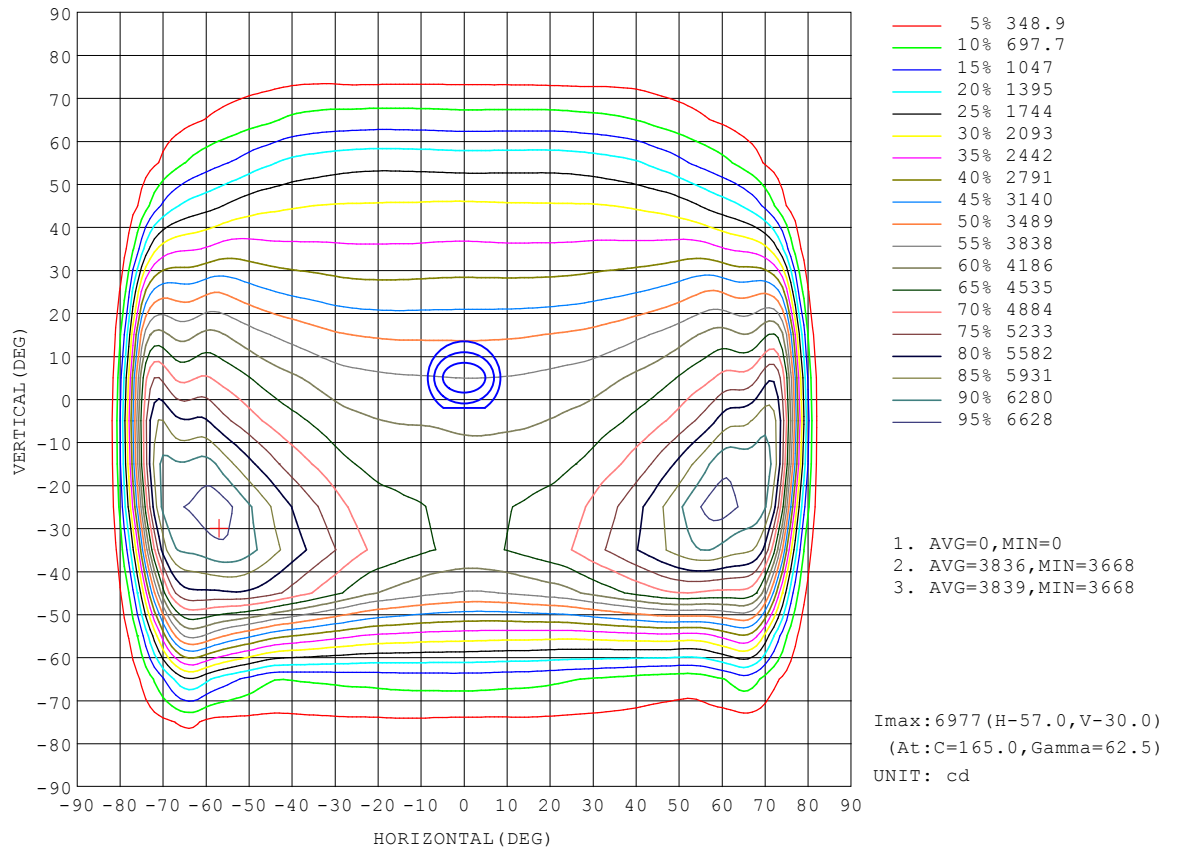
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	3999	4084	4124	4101	4016	3891	3835	3883	0- 5	95.49	95.49	0.61,0.61
10	4005	4176	4247	4212	4029	3781	3668	3776	5- 10	285.3	380.8	2.45,2.45
15	4027	4271	4313	4310	4035	3656	3433	3665	10- 15	471.5	852.3	5.47,5.47
20	4070	4359	4379	4388	4058	3466	3198	3493	15- 20	650.3	1503	9.65,9.65
25	4126	4469	4451	4481	4102	3259	2934	3303	20- 25	821.4	2324	14.9,14.9
30	4194	4587	4523	4605	4175	3053	2670	3102	25- 30	983.7	3308	21.2,21.2
35	4314	4762	4469	4808	4309	2849	2505	2889	30- 35	1141	4448	28.6,28.6
40	4442	4984	4415	5063	4439	2641	2339	2675	35- 40	1294	5742	36.9,36.9
45	4584	5114	3813	5242	4584	2485	2147	2510	40- 45	1429	7171	46.1,46.1
50	4770	5164	3210	5360	4780	2300	1956	2312	45- 50	1522	8693	55.8,55.8
55	4977	4421	2261	4851	4971	2079	1615	2074	50- 55	1560	10253	65.8,65.8
60	5260	3502	1313	4140	5201	1806	1275	1784	55- 60	1513	11766	75.6,75.6
65	5411	1817	857.4	2242	5151	1378	832.7	1313	60- 65	1357	13123	84.3,84.3
70	5947	642.4	402.1	864.1	5628	890.5	390.6	809.9	65- 70	1098	14222	91.3,91.3
75	4831	348.0	285.5	400.1	4692	399.2	238.5	351.4	70- 75	823.9	15046	96.6,96.6
80	1126	212.7	168.9	236.7	1055	193.0	86.36	166.4	75- 80	417.0	15463	99.3,99.3
85	111.2	60.11	0	67.97	85.02	39.70	0	33.38	80- 85	97.47	15560	99.9,99.9
90	61.97	0	0	0	53.22	0	0	0	85- 90	12.10	15572	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

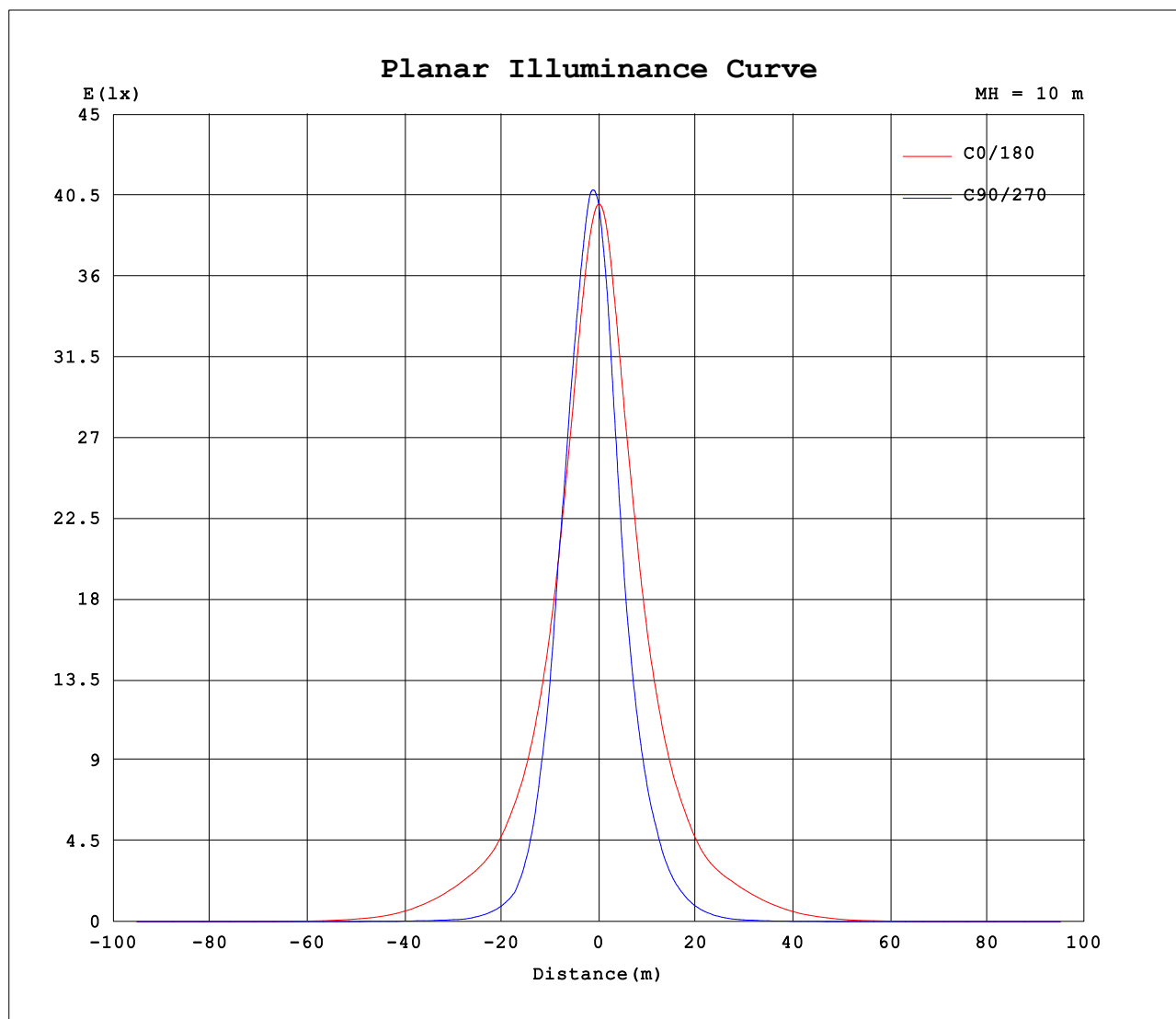
Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



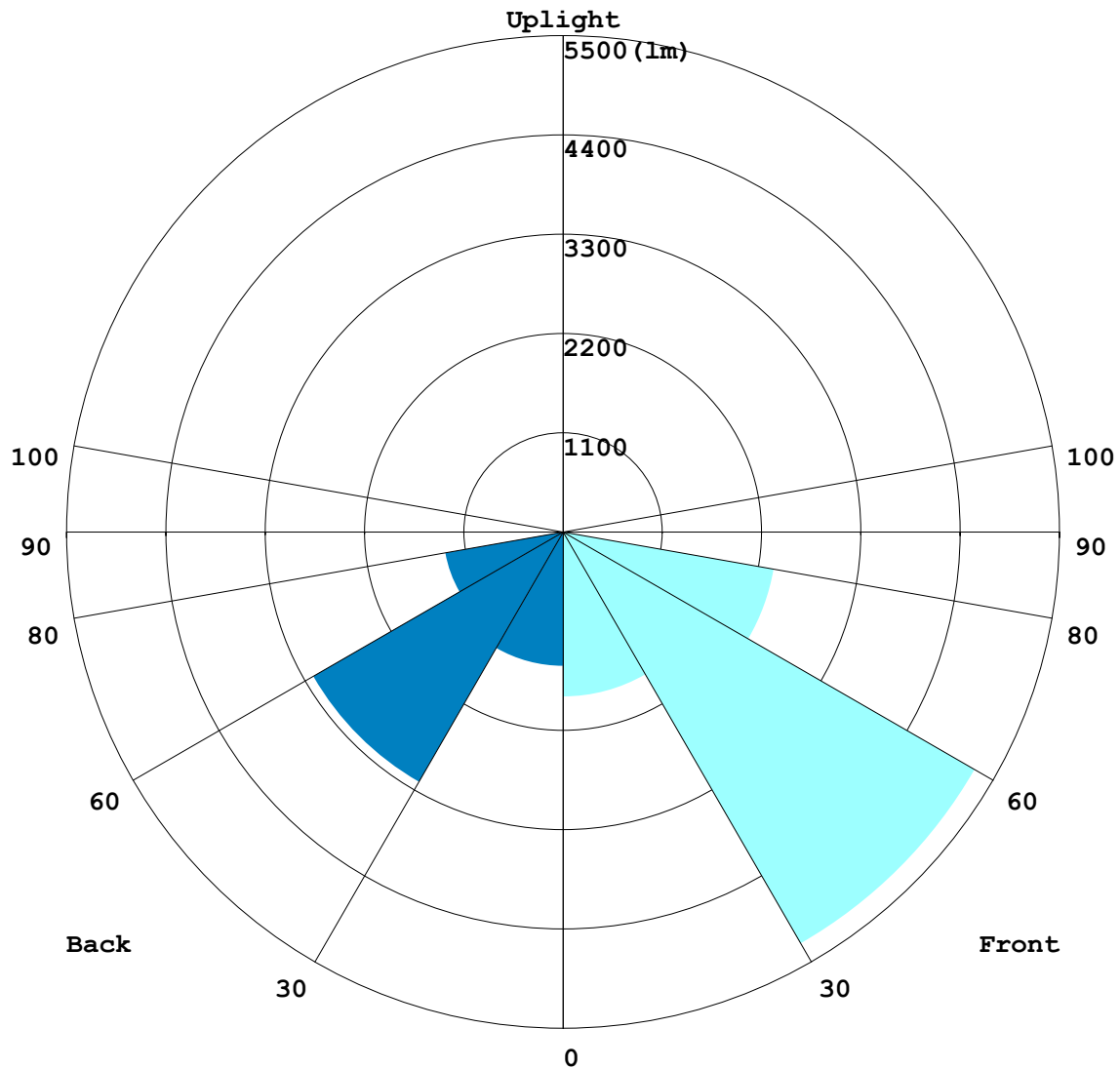
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1822.6	11.7
FM - Front-Medium(30-60)	5263.1	33.8
FH - Front-High(60-80)	2370.5	15.2
FVH - Front-Very High(80-90)	76.186	0.5
Total Forward Light	9532.4	61.2

BL - Back-Low(0-30)	1485.1	9.5
BM - Back-Medium(30-60)	3195.3	20.5
BH - Back-High(60-80)	1326.1	8.5
BVH - Back-Very High(80-90)	33.379	0.2
Total Back Light	6039.9	38.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6039.9	0	6039.9
Street Side	9532.4	0	9532.4

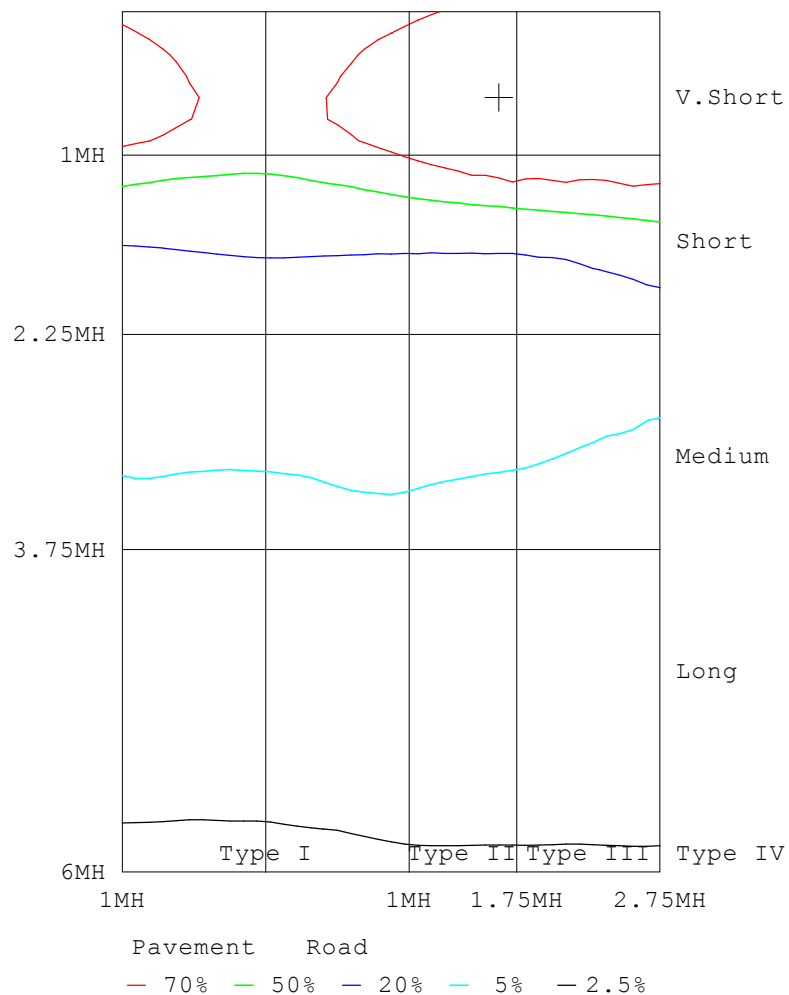
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.4624A P:100.5W PF:0.9836 Lamp Flux:15572.3x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```